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Kathleen A. Nimrichter

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : John R. Grassi et al.
For : **CHEMICALLY BONDED AGGREGATE MOLD**
Serial No. : UNKNOWN
Filing Date : HEREWITH
Attorney Docket No. : GISZ 2 00033
Cleveland, Ohio 44114-2518

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Rule 37 C.F.R. § 1.98(d)(2), the applicants provide the enclosed art for consideration by the Examiner.

A copy of the disclosed documents and of the corresponding PTO-1449 Form are enclosed. Applicants submit the following comments for the references that are not in English.

European Publication No. 119 365 discloses a method of casting aluminum in which the piece, still in a hot condition, is stripped immediately after casting and placed between two chilling molds of a die defining an imprint size which is slightly smaller than the size of the mold. The two chilling molds of the die are tightly pulled against one another in order to exert on the cast piece placed between them a combined action of core pressing and superficial hammering.

The German 36 16 168 publication discloses magnesium and calcium phosphinates and refractory materials which contain anywhere from 0.3 to 5% of the magnesium or calcium phosphinate as a binder. The German patent also discloses the use of magnesium oxide, calcium oxide, dolomite, olivine, forsterite and

mixtures thereof as binders for basic refractory raw materials.

The Japanese 5-169185 reference discloses a process for casting with a molding material and an inorganic binder (comprising zirconia with calcia or magnesia) with refractory power, organic binder, surface active agent and anti-foaming agent.

The French 2,614,814 reference discloses a process in the manufacture of cast parts wherein which castings that are cold or at low temperatures are pressed in die cavities of dimensions slightly less than those of the mold cavities. The process can be applied to aluminum and various alloys thereof or composite material castings produced by permanent mold or sand casting, low pressure casting, pressure casting and the like. Heterogenous structure castings with mechanical properties superior to those produced by the process disclosed in the EP 119 365 publication are obtained.

The German 32 15 809 reference discloses a plan for electrohydraulic cleaning of castings. It includes a pulsed current generator, a flexible electrical lead connecting the generator to a tool electrode, a discharge current signal generator positioned adjacent to and inductively coupled with the flexible lead and a unit for automatically maintaining the desired value of the discharge gap. The input of this unit is connected to the discharge current signal generator and the output of the unit is connected to the electrode adjustment device.

It is believed that no fees are due. However, should any fees be due, please charge any such fees to Deposit Account No. 06-0308.

Respectfully submitted,

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Date: 10 Sep 2003

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Subst. Form PTO-1449

Atty. Docket No.: GISZ 2 00033

Serial No.: UNKNOWN

APPLICANT'S(S') INFORMATION
DISCLOSURE STATEMENT

Applicant(s): John R. Grassi et al.

Filing Date: HEREWITH

Group: UNKNOWN

U.S. PATENT DOCUMENTS

| Initial* | | Document No. | Date | Name | Class | Sub cl. | Filing Date |
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| | BQ | 2 248 569 A | 4/1992 | Great Britain | | | Yes |

OTHER ART

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| Examiner: | Date Considered: |
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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.